GENERAL NOTES

1. ROUTINELY MONITOR EXCAVATED SOILS/DISTURBED AREAS USING DIRECT-READING INSTRUMENTATION PER SECTION 01352.
2. DURING EXCAVATION, SEGREGATE SOIL MATERIALS ENCOUNTERED ABOVE ACTION LEVELS ON PLASTIC SHEETING PER SECTION 01352.
3. IN-SITU SOIL SAMPLING FOR LABORATORY ANALYSIS TO DETERMINE DISPOSAL, ON-SITE REUSE, AND EXCAVATION LIMITS IN ACCORDANCE WITH APPLICABLE REGULATIONS.
4. CONDUCT OFF-SITE DISPOSAL FOR EXCAVATED SOIL MATERIALS WITH CONCENTRATIONS >500 PPM PCBS AND MOBILE LNAPL ABOVE RISK-BASED CLEANUP CRITERIA APPROVED FOR THE SITE AS SPECIFIED IN SECTION 02110.
5. PLACE SOILS WITH CONCENTRATIONS BELOW RISK-BASED CLEANUP CRITERIA APPROVED FOR THE SITE UNDERNEATH THE ENGINEERED CAP.
6. STOCKPILE MATERIALS WITH FREE LIQUIDS WITHIN THE EXCAVATION TO DRAIN ON TOP OF SIMILARLY-CLASSIFIED MATERIALS. MATERIALS MUST PASS EPA METHOD 9095B PRIOR TO HANDLING FOR OFF-SITE DISPOSAL.
7. STOCKPILE CLEAN FILL ON THE EXISTING GROUND SURFACE IN ACCORDANCE WITH EROSION AND SEDIMENT (E&S) CONTROLS AND METHODS AS DEFINED BY THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NJ 7TH EDITION DATED 2014, E.G. SILT FENCE INSTALLATION, HEIGHT/SLOPE INCLINATION RESTRICTIONS, TEMPORARY SEEDING REQUIREMENTS, ETC.
8. ALL EXCAVATED MATERIAL IS TO BE STOCKPILED ON PLASTIC SHEETING OR ANOTHER BARRIER LINER.
9. EMPLOY SEDIMENT CONTROL MEASURES TO MINIMIZE POTENTIAL FOR OFF-SITE MIGRATION OF SOIL AND WATER ASSOCIATED WITH REMEDIATION ACTIVITIES.
10. PERFORM SITE ACTIVITIES IN A MANNER TO MINIMIZE THE GENERATION OF DUST AND/OR VAPORS, AND TO PREVENT THE MIGRATION OF POTENTIALLY IMPACTED MATERIAL FROM THE SITE. IMPLEMENT DUST CONTROL TECHNIQUES DURING EXCAVATION, STOCKPILING AND TRANSPORTATION OF SITE MATERIALS, AS NEEDED. DUST GENERATION MAY BE CONTROLLED BY APPLICATION OF WATER SPRAY. TRANSPORT VEHICLES WILL USE A TARP COVER TO PROTECT THE LOAD FROM WIND AND RAIN, AND INHIBIT DUST AND VAPOR MIGRATION.
11. PROPERTY LINES TAKEN FROM "04269_BASEMAP_0307.dwg" AND TOPOGRAPHY LINES TAKEN FROM "EXISTING CONDITIONS SITE PLAN", PROJECT NO. 13067.001.002, DRAWING NO. 1, DATED FEB. 2008.
12. UNDERGROUND UTILITIES:
    A. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITIES OF WORK SCHEDULE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO HAVE EACH UTILITY OWNER VERIFY AND MARK THE LOCATION OF THEIR RESPECTIVE MAIN AND SEWER LINES IN THE FIELD BEFORE THE START OF WORK.
    B. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE BASED ON THE BEST AVAILABLE INFORMATION. CHEMTURA/WESTON® DOES NOT GUARANTEE THE ACCURACY OF LOCATIONS OF EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN ON THE PLAN AND PROFILE DRAWINGS, NOR DOES CHEMTURA/WESTON® GUARANTEE THAT ALL SUBSURFACE STRUCTURES ARE SHOWN.

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SEQUENCE OF WORK

1. PREPARATION OF REQUIRED SUBMITTALS FOR APPROVAL;
2. ENSURING COMPLETE COMPLIANCE WITH ALL SAFETY AND SECURITY REQUIREMENTS OF THE CHEMTURA FACILITY, TO BE DESCRIBED IN THE CONTRACTOR'S APPROVED HEALTH AND SAFETY PLAN (HASP)/WORK PLAN;
3. MOBILIZATION TO THE SITE;
4. SITE PREPARATION;
5. SETUP OF TEMPORARY FACILITIES INCLUDING SECURITY AT THE SOUTH GATE;
6. TEMPORARY RELOCATION OF WESTON'S® DRUM STORAGE FACILITY AND PLACING IT BACK IN THE LOCATION ON THE COMPLETION OF REMEDIATION ACTIVITIES;
7. INSTALLATION AND REMOVAL OF SETTLEMENT AND VIBRATION MONITORING EQUIPMENT;
8. INSTALLATION, MAINTENANCE, AND REMOVAL OF SOIL EROSION AND SEDIMENT CONTROL MEASURES ON-SITE;
9. REMOVAL OF VEGETATION-CLEARING AND GRUBBING ON-SITE;
10. PRE-AND POST-CONSTRUCTION BUILDING CONDITION SURVEY'S;
11. IMPLEMENT AN IN-SITU SOIL WASTE CHARACTERIZATION SAMPLING PROGRAM ACROSS FORMER POND NO. 3 AND THE REMAINDER OF THE SOUTHEAST LEG FOR THE OFF-SITE TRANSPORTATION AND DISPOSAL OF SOIL;
12. MANAGEMENT OF WATER (SEE ATTACHMENT R) CONTAINED WITHIN THE ON-SITE ADLER FRAC TANK FROM PREVIOUS DEWATERING ACTIVITIES, AND CLEAN-OUT OF THE FRAC TANK SO IT CAN BE TRANSPORTED OFF-SITE;
13. IDENTIFICATION, PROTECTION, REMOVAL, REPLACEMENT, AND/OR BRIDGING OF UTILITIES ON-SITE AS NOTED ON THE CONSTRUCTION DRAWINGS AND IN ATTACHMENT W;
14. INSTALLATION OF APPROX. 290 LINEAR FEET OF LNAPL SHEETPILE BARRIER WALL NORTH AND WEST OF FORMER POND NO. 3;
15. INSTALLATION AND DEVELOPMENT OF THREE LNAPL RECOVERY WELLS UP-GRADIENT OF THE LNAPL SHEETPILE BARRIER WALL;
16. INSTALLATION OF APPROX. 115 LINEAR FEET OF HDPE BARRIER WALL LOCATED BETWEEN EXISTING RECOVERY SUMPS S-02 AND S-03 SOUTH OF THE EPT PLANT;
17. INSTALLATION OF BARRIERS TO LIMIT GROUNDWATER FLOW IN THE WORK AREA;
18. ABANDONMENT OF MONITORING WELLS AND SUMPS IN THE AREA OF EXCAVATION;
19. EXCAVATION AND OFF-SITE DISPOSAL OF AN ESTIMATED 2,150 CUBIC YARDS (CY) OF NON-HAZARDOUS SOIL CONTAINING NO MOBILE LNAPL FROM FORMER POND NO. 3;
20. REMOVAL AND OFF-SITE DISPOSAL OF SLUDGE (INCORPORATED INTO THE SOIL WASTE STREAM) THAT HAS ACCUMULATED IN THE ADLER FRAC TANK;
21. EXCAVATION OF AN ESTIMATED 1,750 CY OF LNAPL-IMPACTED SOIL FROM FORMER POND NO. 3 CONTAINING MOBILE LNAPL (TSCA WASTE) FOR OFF-SITE DISPOSAL;
22. RECOVERY OF LNAPL (ESTIMATED 500 GALLONS) FROM THE WATER SURFACE IN THE FORMER POND NO. 3 FOR OFF-SITE TRANSPORTATION AND DISPOSAL AS TSCA AND RCRA HAZARDOUS WASTE;
23. EXCAVATION, ON-SITE STOCKPILING, AND ON-SITE REUSE OF AN ESTIMATED 6,950 CY OF SOIL (FREE OF MOBILE LNAPL) FROM THE SOUTHEAST LEG;
24. EXCAVATION OF AN ESTIMATED 3,500 CY OF LNAPL-IMPACTED SOIL CONTAINING MOBILE LNAPL (TSCA) FROM THE SOUTHEAST LEG FOR OFF-SITE DISPOSAL;
25. ON-SITE TRANSPORTATION OF AN ESTIMATED 1,100 CY OF EXCESS SOIL, PLACEMENT, GRADING, AND COMPACTION OF THE SOILS IN THE FORMER LAGOON AREA;
26. RECOVERY OF WATER/LNAPL FROM THE EXCAVATION, SEPARATING THE WATER FROM THE LNAPL(TRANSPORTED OFF-SITE FOR DISPOSAL), TREATMENT VIA GRANULATED ACTIVATED CARBON, AND DISCHARGING THE WATER INTO FORMER POND NO. 3;
27. RECOVERY OF LNAPL FROM THE WATER SURFACE (ESTIMATED 4,000 GALLONS) IN THE SOUTHEAST LEG EXCAVATION AREA FOR OFF-SITE TRANSPORTATION AND DISPOSAL AS TSCA WASTE;
28. EXCAVATION OF AN ESTIMATED 3,300 CY SOILS FROM THE 4 SCRAPE AREAS, WHICH WILL CONSIST OF 520 CY OF SOIL BEING TRANSPORTED OFF-SITE FOR DISPOSAL, 650 CY OF SOIL RETURNED TO THE SCRAPE AREA AS BACKFILL (X119 LOCATION) AND 2,140 CY OF SOIL USED AS BACKFILL IN THE SOUTHEAST LEG;
29. POST-EXCAVATION SAMPLING SUPPORT INCLUDING MAINTENANCE OF A 20- BY 20-FOOT SAMPLING GRID ACROSS THE EXCAVATION AREA;
30. BACKFILLING, COMPACTING, AND RE-GRADING THE FORMER POND NO. 3 AREA WITH GRAVEL, CLEAN SAND, AND/OR SCRAPE AREA SOILS ACCEPTABLE PER THE SITE REUSE CRITERIA;
31. BACKFILLING, COMPACTING, AND RE-GRADING THE SOUTHEAST LEG AREA WITH GRAVEL, CLEAN SAND, CLAY MIXTURE, AND/OR SOILS ACCEPTABLE PER THE SITE REUSE CRITERIA;
32. TRANSPORT AND OFF-SITE DISPOSAL OF 2,150 CY OF NON-HAZARDOUS SOIL;
33. SITE RESTORATION, INCLUDING SOIL PLACEMENT, COMPACTION AND CAPPING WITH EIGHTEEN INCHES OF MATERIAL CONSISTING OF 10-INCHES OF CLAY, AND 8-INCHES OF CLEAN FILL OVERLAIN BY EITHER SIX INCHES OF TOPSOIL (SEE SECTIONS 02150 AND 02930 FOR TOPSOIL REQUIREMENTS) OR DENSE GRADE AGGREGATE (DGA) (WHERE ROADWAYS ARE PRESENT), HYDROSEEDING, MULCHING AND PLANT MAINTENANCE;
34. REPLACEMENT OF DISTURBED WETLANDS, REPLANTING AREA PREPARATION; TREE, SHRUB, AND WHIP PLANTING; HYDROSEEDING, MULCHING AND PLANT MAINTENANCE;
35. PLANT MONITORING AND MAINTENANCE FOR REPLANTED VEGETATION STARTING THE FIRST FULL GROWING SEASON AFTER CONSTRUCTION/PLANTING IS COMPLETED;
36. DECONTAMINATION AND DEMOBILIZATION OF ALL EQUIPMENT AND TEMPORARY FACILITIES FROM THE SITE; AND
37. TRANSMITTAL OF AS-BUILT SUBMITTALS AND POST-REMEDIATION DOCUMENTATION.

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